

Nov. 18, 1924.

1,516,364

W. M. WEEKS

HEADLIGHT DIMMER

Filed July 25, 1922

Fig. 1.

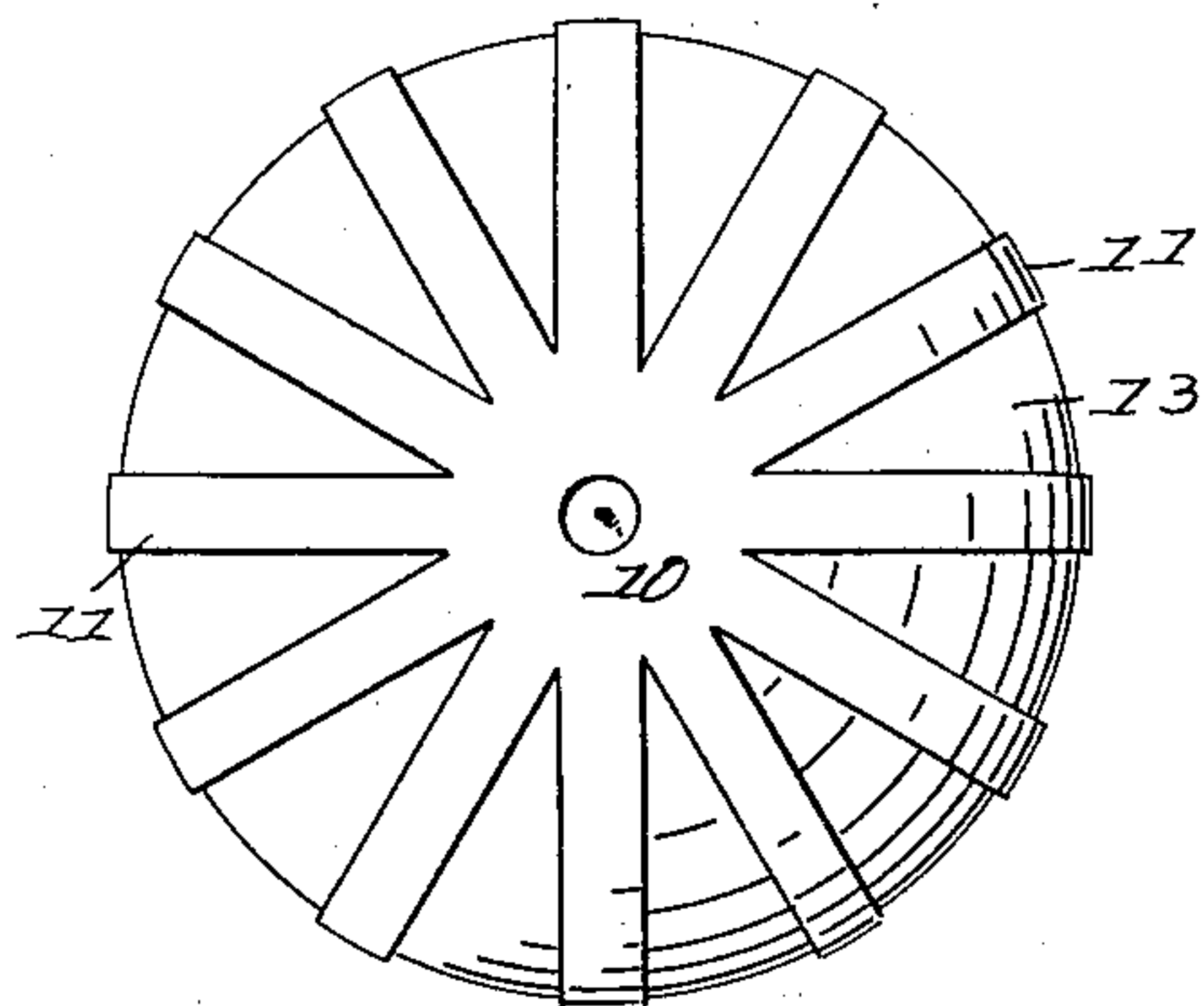


Fig. 2.

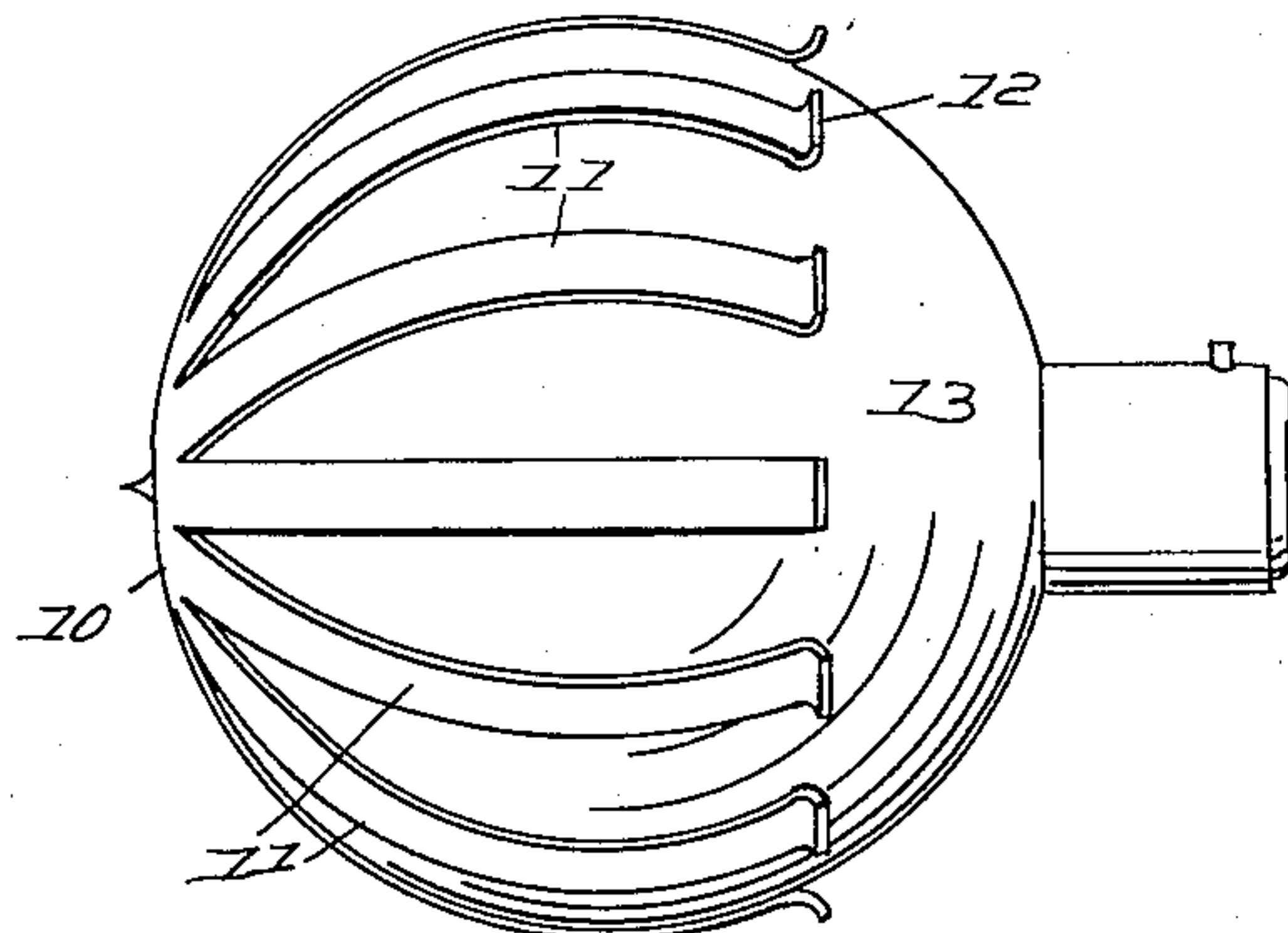


Fig. 3.

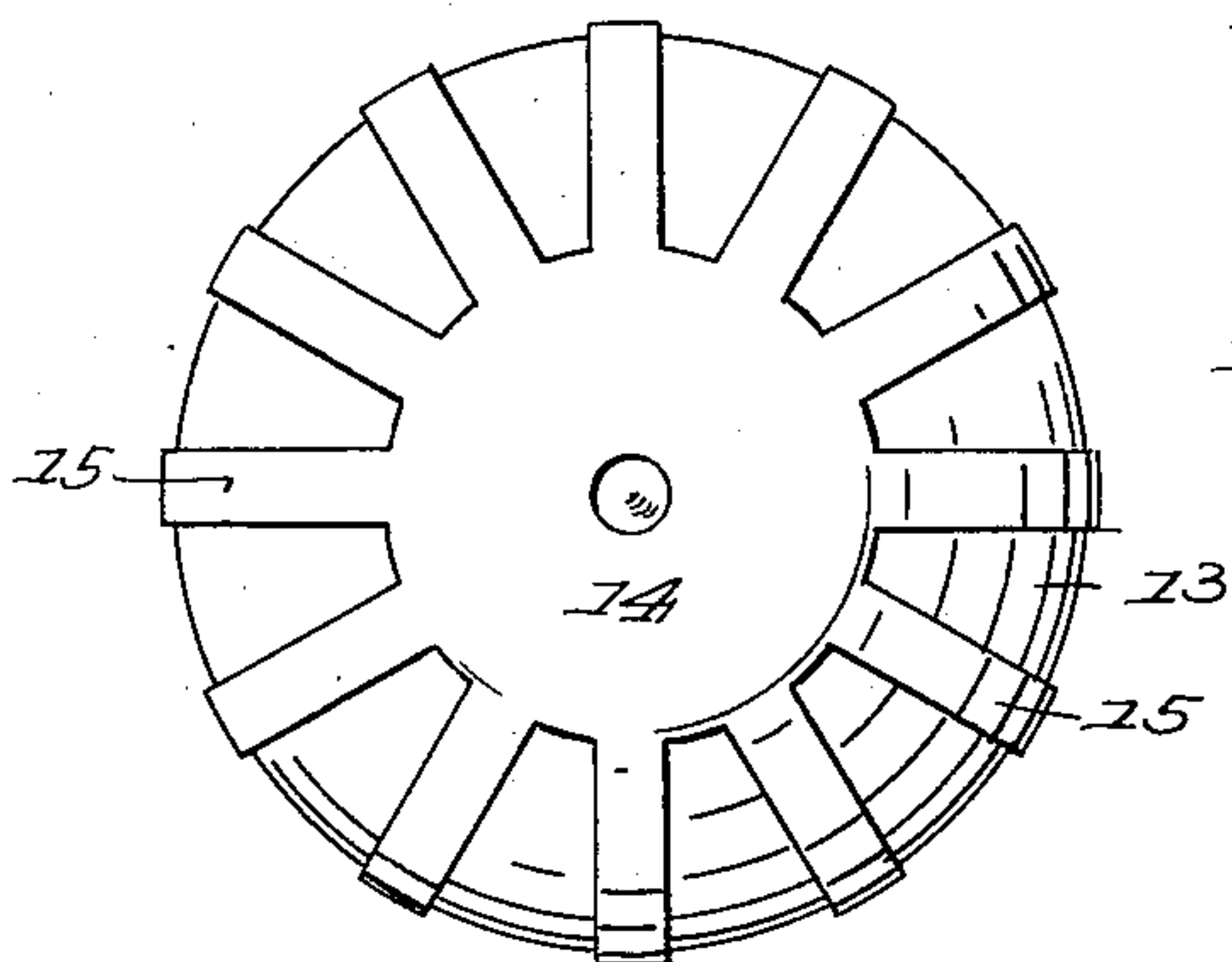
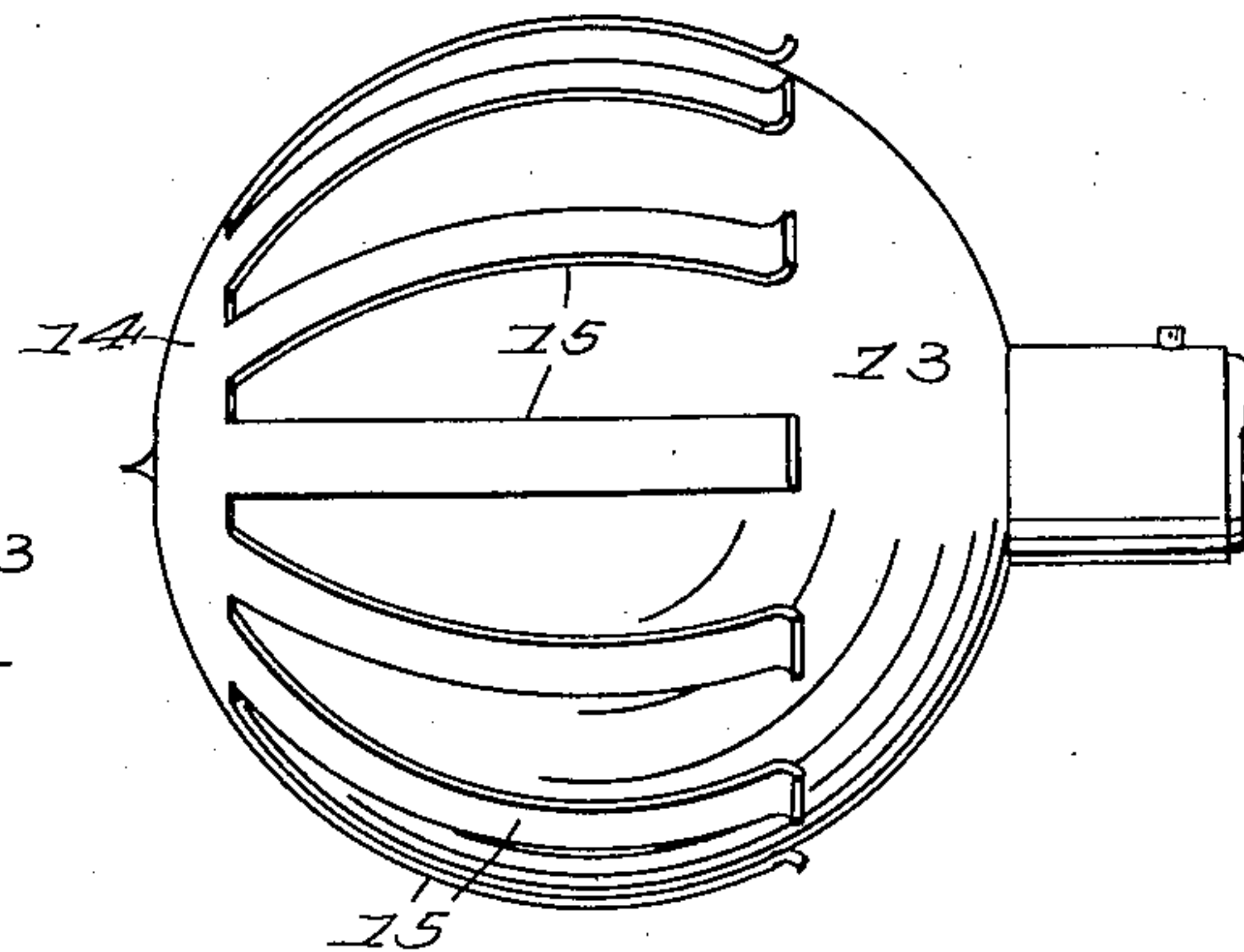


Fig. 4.



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UNITED STATES PATENT OFFICE.

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HEADLIGHT DIMMER.

Application filed July 25, 1922. Serial No. 577,353.

To all whom it may concern:

Be it known that WILLIAM M. WEEKS, a citizen of the United States of America, residing at Kealakekua, in the Territory of Hawaii, has invented new and useful Improvements in Headlight Dimmers, of which the following is a specification.

The object of the invention is to provide a simple and efficient construction of dimmer for the headlights of vehicles particularly of the motor-driven type and more particularly to provide a device for the indicated purpose which may be constructed at a small cost and readily applied to and removed from the headlights as they may be required, in compliance with police regulations; and with this object in view the invention consists in a construction and combination of parts of which a preferred embodiment is shown in the accompanying drawings, wherein:—

Figure 1 is a front view, and

Figure 2 is a side view of a dimmer embodying the invention applied in the operative position to a lamp globe.

Figures 3 and 4 are similar views respectively showing a slightly modified construction.

The device consists essentially of a substantially globular spider having a center 10 from which radiate spring arms 11 preferably up-turned or deflected slightly at their extremities as indicated at 12 and adapted to be struck from a single blank of sheet metal preferably of a spring or resilient quality to provide for a clamping or clamping action with reference to an incandescent light globe 13 or equivalent lighting unit in connection with which it may be employed.

As indicated in a modified form illustrated in Figures 3 and 4 the central member 14

may be of disk form with the arms 15 radiating therefrom in spaced relation at their bases, or as indicated in Figures 1 and 2 the arms may meet to form acute angles at their points of divergence from the center. The diameter of the disk which is designed to intercept the forwardly directed rays of light from the lamp may be modified in diameter to suit the construction or diameter of the filament of the lamp.

The light which radiates through the spaces between the arms of the device is directed angularly and laterally and therefore does not form a glare which is embarrassing or objectionable to the driver of an approaching car.

The dimmer as disclosed herein can be snapped upon the globe of an incandescent light and as easily removed when the full strength of the headlight is required, so as to provide for the use of the device in municipal or other districts where the more powerful headlights are excluded or may not legally be used, and where the vehicle is not provided with dimming devices, or where the usual dimming devices are not effective or adequate to reduce the glare to the extent required by the regulations.

Having described the invention, what is claimed as new and useful is:—

A headlight dimmer consisting of a disk for disposition on the front of the bulb of an incandescent light, said disk being provided with radiating arms disposed in globular form for engagement with the bulb to support the disk in position thereon, the disk and the arms being integral and struck from a plate of sheet metal.

In testimony whereof he affixes his signature.

WILLIAM M. WEEKS.